

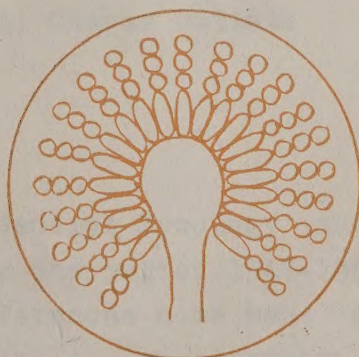
INSTITUTO DE MICOLOGIA-UNIVERSIDADE DO RECIFE

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BIBLIOGRAPHY ON BRAZILIAN GENERAL
MYCOLOGY AND FERMENTOLOGY DURING A TEN YEARS
PERIOD

(1947 to 1956)

A. Chaves Batista



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On General Mycology the Brazilian Literature for the period 1947-1956 is listed below. The references here made are related with the available publications concerned with the I.M.U.R.

GENERAL MYCOLOGY

1947

Viégas, A.P. - Alguns micetos brasileiros.
in Bragantia, vol. 7,2: 25-48, 1947.

A taxonomic paper, beautifully illustrated and studying the following fungi: Asperg. ruber (Spiek. & Brem.) Thom. & Church on fermented corn canes; Lophodermium subtropicale Speg. on branches of Eugenia; Nummularia ubatubensis n. sp. on trunk of unknown host; Phyllachora andicola (Speg.) n. comb. on leaves of Chequiraga sp.; Perischizon brasiliense n.sp., on leaves of Araucaria; Phyllachora lauracearum (P.Henn.) v.Höhn., on leaves of Nectandra sp.; Coccostroma macherii (P.Henn.) Theiss. & Syd., on leaves of Macherium; Munkiella mascagniae Starb., on leaves of Mascagnia; Cercospora calonchobae n.sp., on leaves of Calonchoba; Helminthosporium heringerianum n.sp., on branches of Tipuana; Cladosporium jacarandae n.sp., on leaves of Jacaranda; Roesleria brasiliana n.sp., on bark of Spondias; and Aschersonia turbinata, on Coccideae, on leaves of Psidium.

Viégas, A.P. - Alguns fungos concentrados em São Paulo, Minas e Espírito Santo.
in Bragantia, 7,4:107-124.

A taxonomic paper dealing with several fungi, including 4 new species as: Gaillardielliella caryocana n.sp. on leaves of Caryocar; Catacauma davillae n.sp. on Davilla; Cercospora styloginis n.sp. on leaves of Stylogine; Melanconium nectandrae n.sp. on leaves of Nectandra; Catacauma ingae Chardon on Inga; Catacauma weirii

Chardon on Bauhinia and Ustilaginoidea oryzae Bref. are reported for the first time in Brazil, while Numularia artoceras (Mass.) Mill. and Pterula pennata P. Henn. had enlarged their geographical area. All described fungi are illustrated.

1 9 4 8

Batista, A.C. - Kretzchmaria novo-guinensis P. Henn.

in Rev. Agric. Recife, 1(56):57-58, 1948.

A note on the finding of this fungus in Recife.

Batista, A.C. - Pilobolus crystallinus (Wigg.) Tode.

in Bol. S.A.I.C. 15(1):1-6, 1948.

A morphological study of this fungus discussing the explosive mechanism of the sporangia liberation.

Padron, G.J. e J.B.F. Menezes Jor - Contribuição ao estudo e à aplicação do método de Howard nas contagens de cogumelos dos produtos de tomate.

in Rev. Inst. Adolfo Lutz, 8:99-136, 1948.

A study on Howard's technique for the microscopic count of fungi in tomato products, as well and indication for the limits of positive fields in relation with several tomato products:

Juices - up to 20%

Common pastes - up to 30%

Extracts - up to 50%.

Teixeira, A.R. - Himenomicetos Brasileiros - IV. Polyporaceae.

in Bragantia, vol. 8, 1-12:75-80, 1948.

It is an introductory study for the Brazilian Polyporaceae on the light of the

modern concept on these fungi. A key is presented to the identification of the foamoid group with an analysis of Fomitopsis hormoderma (Mont.) Singer, F. medulla-panis (Pers.) Singer, Fomes ohiensis (Berk.) Merrill var. macrosporus Teixeira n. var. all of them being very well illustrated.

Villela, G.C. - Micromethod pour le dosage de l'aneurine (thiamine) basée sur le test Phycomyces.

in Rev. Bras. Biolog. 8(4): 461-463, 1948.

A new micro-technique is described for the dosage of thiamin by Phycomyces blakesleanus Bgf.

1 9 4 9

Barroso, L.J. - Noções gerais sobre líquens.

in Rodriguesia, XII (24): 147-160, 1949.

Is an introduction to lichenology.

Leão, A.E.A. e Cury - Sobre a exigência de ácido nicotínico, observada em cogumelo filamentosos (Microsporum audouinii).

in O Hospital, XXXV, (3): 347-351, 1949.

The Microsporum audouinii is deficient for nicotinic acid.

1 9 5 0

Batista, A.C. e J.N. Silva - Ocorrência de Cintractia peribebuensis (Speg.) Sawada, em Pernambuco.

in Bol. S.A.I.C., Pern., XVII, (1-2): 1-3, 1950.

Is a report on the incidence of

Cintractia peribebuyensis on Cyperus rotundus L.

Batista, A.C. - Dois fungos Nitschkieaceae, assinalados em Pernambuco.

in Bol. SAIC Pern., XVII (1-2):4-5, 1950.

This paper contains a report on Frachiaea heterognea Sacc. and the description of Thaxteria lutea n.sp.

Guida, V.O. e J.F.do Amaral - Técnica de conservação de fungos em areia estéril.

in Arq.Inst.Biol., 19:203-206, 1944-1950.

In sterile sand the A.A. kept very well for several years some strains of Aspergillus flavus, A.luteus and A.niger.

Teixeira, A.R. - Himenomicetos Brasileiros - V. - Polyporaceae.

in Bragantia, 10,4:113-125, 1950.

Treats about the Polyporaceae of the genus Phellinus found in Brazil as agent of wood-rots and forest-trees diseases, named as Phellinus fasciatus (Sw. ex Fries) Murrill, P.fastuosus (Lév.)Singer, P.ignarius (L.)Quél., P.ptptadeniae n. sp. and P.rimosus (Berk.)Bond. & Singer. Very good illustrations are presented for these fungi.

Viégas, A.P. - Literatura compulsada no preparo do Índice de Fungos em Plantas da América do Sul. - 118 p., Publ. mimioqr., I. Agron.Campinas, São Paulo, 1950.

1 9 5 1

Maniero, J. - Sobre o uso de Rhizopus nigricans em testes biológicos.

in Rev.Inst.Adolfo Lutz, 12:91-92, 1951.

A new apparatus for Rhizopus cultivation is suggested for biological tests.

1952

Batista, A.C. - Uma interessante espécie de Periconiella.

in Bol.S.A.I.C.Pern.XIX(3-):174-175, 1952.

It contains the description of Periconiella echinoclaoe n.sp.

Batista, A.C. e A.F.Vital - Monografia das espécies de Phyllosticta em Pernambuco.

in Bol.S.A.I.C.Pern.XIX (1-2):1-80, 1952.

It is a monograph containing the description of 115 Phyllosticta spp. finding in Pernambuco.

Batista, A.C. - Dois novos gêneros de Fungos Imperfeitos.

in Bol.S.A.I.C.Pern. XIX(1-2):108-111, 1952.

Two new genera are described as Imperfect Fungi: Brachysporiella (Dematiaceae) and Pycnothyriella (Leptostromataceae).

Batista, A.C. - Um pugilo de Novos Fungos Imperfeitos.

in Bol.S.A.I.C. XIX(1-2): 143-150, 1952.

The following species are described: Stromatographium dispergentis Bat., Fusidomus pulchella Bat., Septoria calopogonii Bat.& Vital, Phoma gymnocladae Bat., Phoma auracariicola Bat.& Vital, Phoma corchororum Bat.& Silva, Periconia cecropiae Bat.& Vital, Colletotrichum begoniae Bat., Pycnothyrium vismia Bat.& Vital.

Mors, W.B. - Chemical studies on Brazilian lichens - The Usneae of the Organ Mountains.

in Rev.Bras.Biol. 12(4):389-400, 1952.

Is a chemical study about Usnea aspera (Eschw.) Wainio, U.ludiera Riz., U.elongata Mont. and U.lunaria Mont.

Netto, J.L., R.A. Moura e L.P.C. Lima - Ação "in vitro" da aureomicina oral e do fosfato bicálcico, sôbre o crescimento de Candida albicans.

in Rev. Inst. Adolfo Lutz, 12:173-178, 1952.

The A.A. through statistical analysis have seen no evidence of growth stimulation for Candida albicans by the action of oral aureomycin and bicalcium phosphate, a normal component of its capsules.

1 9 5 3

Dantas, B. - A situação atual do gênero Choanephora (Mucerales).

in Ann. IV Congr. Nac. Soc. Bot. Brasil, Recife, 332-350, 1953.

Is an important analytical study of the genus Choanephora Currey which the A. points out as found for five times in Brazil. The history and the taxonomy of this genus is developed and a systematic study is presented regarding the following accepted species: C. infundibulifera (Currey) Sacc., C. conjuncta Couch, C. mandshurica (Saito & Naganishii) Tai; C. cucurbitarum (Berk. & Rav.) Thaxter, C. trisporea (Thaxter) Sinha, C. simsoni Cunningh. The species C. persicaria Eddy and Rhopalomyces elegans Corda are considered as doubtful species.

Dantas, B. - Sôbre Choanephora conjuncta no Brasil.

in Ann. IV Congr. Nac. Soc. Bot. Brasil, Recife, 177-185, 1953.

The A. does the revalidation of this species which was found on fading flowers of Hibiscus rosa-sinensis L. in

Cruz das Almas, State of Bahia; this fungus had never been reported outside of U. S.A. - The characteristics of this fungus are fully described and illustrated on the base of the study on artificial culture media.

Hashimoto, G. - Myxomycetes da Serra do Diabo.

in Ceres, IX (51): 194, 201, 1953.

A report on Myxomycota found at Serra do Diabo, São Paulo.

Villani, R. - Aplicação da penicilina no isolamento de fungos do sólo.

in Bol.Agric.Belo Horizonte, II(11-12): 21-26, 1953.

The use of penicillin to check the bacterial populations in soil samples for the isolation of fungi is commented.

Vital, A.F. - Phomatospora serjaniicola Bat.& Vital e Phoma serjaniae Bat.& Vital sobre Serjania sp.

1 9 5 4

Franco do Amaral, J. - A cultura do cogumelo.
in O Biológico, 20, 7:126-128, 1954.

A brief information about how to cultivate the edible fungi in the State of São Paulo, Brazil.

Viégas, A.P. e C.G. Teixeira - Sobre a ocorrência de Conidiobolus utriculosus Bref. no Brasil.

in Bragantia, vol. 13, 12:151-155, 1954.

It is a summary study of C. utriculosus reported as found for the first time in Brazil. The development of zygospores were not observed.

1 9 5 5

Ashcar, H. Adolfo Lutz, micologista.

in Rev. Inst. Adolfo Lutz, 15:63-72, 1955.

Is a report on Adolfo Lutz's biography showing the mycological activities of the brazilian scientist.

Malavolta, E. e R. Camargo - Nota sobre a nitrificação por fungos do sólo.

in Publ. 13, Inst. Zimotécnico, 6p. il. 1955.

Is an experimental study demonstrative of the production of nitrite and nitrate from organic nitrogen by Aspergillus flavus and A. wentii.

Viêgas, A.P. - Mancha da folha de Hevea brasiliensis.

in Bragantia, 14, 7: 63-69, 1955.

This paper describes a spot disease of the leaves of Hevea brasiliensis caused by the weak parasite Periconia manihoticola (Vincens) n. comb. which is studied on pure artificial culture and illustrated.

1 9 5 6

Rizzini, C.T. - Flora organogenesis. Lichenes.

in Rev. Bras. Biolog., 16(4):387-402, 1956.

Is a report on lichens from Organ

Mountains, Rio de Janeiro.

Silva, M.E. - Isolamento de Histoplasma capsulatum do sólo, em zona endêmica de calazar na Bahia, Brasil.

in Bol. Fund. Gonçalo Muniz, nº 10, 15p. 1956.

Is a first record for Brazil of the occurrence of Histoplasma in soil.

Soriano, N. - Disseminação dos fungos.

in Bol. Flum. Agric. 5(49):20-26, 1956.

Is a report on the dissemination of fungi.

Teixeira, A.R. - Método para estudo das hifas do Carpóforo de fungos Poliporáceos.

Publ. Inst. Bot. Sao Paulo, 22 p., 1956.

Is a detailed description of a method for the study of Polyporus structures.

Vasconcelos, N.C. - Contribuição ao estudo dos Eumicetos Medicinais. Thesis, Fac. Farmácia, Belém, Pará, 55 p., 1956.

It is a report on the importance of some Aspergilli for pharmaceutical purposes.

F E R M E N T O L O G Y

1 9 4 8

Lima, O.G., B.J. Magalhães Neto e A.C. Matos Jr. - Novas observações sôbre a fermentação cítrica, no melaço de cana de Pernambuco, com o Aspergillus niger 198.
in An.Soc.Biol.Pern., IX(1):19-26, 1948.

The pH influence is very significative for the production of citric acid by Aspergillus niger; below pH 4.0 is negligible the citrogenous power of the fungus.

1 9 5 0

Kolachov, P., L.R.A. Smith e H.F. Wilkie-Processo contínuo para fermentações industriais.
in Bragantia, 10(10: 287-299, 1950.

Is a study on continuous processing of fermentation with yeast recovery and maintenance of high quality standards.

1 9 5 3

Almeida, J.R. e V.A.Lima - O emprêgo da emulsan Al na fermentação alcoólica.

Publ. 6, Inst.Zimotécnico, 24 p., 1953.

Is a study on the alcoholic fermentation with the yeast recuperation through the use of emulsan Al.

1 9 5 4

Lima, U.A. - Contribuição ao estudo da Influência do Manganês sobre o desenvolvimento e atividades do Saccharomyces cerevisiae, Hansen.

Inst.Zimot.Univ.São Paulo, 54 pag.,1954.

It is a thesis for the doctor degree presented to the Escola Superior de Agricultura Luiz de Queiroz on the action of the ion Mn as stimulative for the multiplication and biochemical activities of Saccharomyces cerevisiae on the alcoholic fermentation. The Mn may be used as MnSO₄ being necessary in the amount of 0,01 to 0,08 gr. for each liter of fermentative broth.

Other details are offered in relation to the respiratory mechanism of the yeast, and so on.

Teixeira, C.G. e A. Salati - Fermentação do caldo da cana de açúcar (Saccharum officinarum L.) var. Co.290. Influência da adição de sais de amônio e farelo de arroz sobre o rendimento alcoólico. in Bragantia, 13:157-163, 1954.

Is a report on fermentation of sugar cane juice (var. Co.290) showing the value of addition of 0,1 percent amonium sulphate to improve alcohol yeelds.

1 9 5 5

Mano, E.B. e M.R.R. Morau - Ácido cítrico de fermentação.

in Arq.Ferment. 1:71-85, 1955.

Some considerations about the tech-

nical conditions for citric acid production by fermentation.

Martelli, H.L. - Realização da fermentação cítrica com Aspergillus niger: I - Meios de cultura para a produção.
in Arq. Ferment. 1:7-13, 1955.

A study on several culture media for citric acid production by Aspergillus niger.

Martelli, H.L. - Realização da fermentação cítrica com A. niger. II - Condições de fermentação.
in Arq. Ferment. 1:15-21, 1955.

A study about the favourable conditions for citric acid production by A. niger.

Martelli, H.L. - Dosagem microbiológica dos ácidos aminados.
in Arq. Ferment. 1:23-63, 1955.

A study for microbiological dosage of aminoacids.

Martelli, H.L. - Fermentação do cacáu.- IV - Estudo microbiológico de uma levedura.
in Arq. Ferment. 1:115-123, 1955.

A study on cacao fermentation with the probable identification of Torulopsis theobromae Preyer.

1 9 5 6

Bitancourt, A.A. - As fermentações e podridões da cereja de café.
in O Biológico, XXII (12): 205-213, 1956.

The A. concluded for the lacking of narrow relations between the coffee fruits microflora and their origin, period of

ripeness and degree of dryness for the production of good coffee drink.

Camargo, R. e R.N. Moreira Filho - Contribuição ao estudo das exigências auxológicas de algumas leveduras regionais - Ensaio biométricos.

Inst.Zimot.Publ. 14, 58 p., 1956.

A study leveduriform fungi from ripe fruits, the A.A.isolated Candida, Pichia, Kloeckera and Torulopsis.

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Processo Multilith
I.M.U.R., 31/5/1960.

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